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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/774,518

02/10/2004

Che-Kuei Mai

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EXAMINER

SHAPIRO, LEONID

ART UNIT

PAPER NUMBER

2629

MAIL DATE

DELIVERY MODE

07/13/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/774,518

Applicant(s)

MAI, CHE-KUEI

Examiner

Leonid Shapiro

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2629

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04/30/07.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 February 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Drawings

1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the limitation of claims 2 and 12,15: "...a second FPC connected electrically to touch panel" must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

2. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: the limitation of claims 2 and 12,15: "...a second FPC connected electrically to touch panel" is not described in the Specification.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

3. Claims 2 and 12,15 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention:

The limitation of claims 2 and 12: "...a second FPC connected electrically to touch panel" is not described in the Specification or shown in the Figures.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent

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granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1,3-11,13-14,16-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Lee (Pub. No.: US 2004/0041796 A1)

As to claim 1, Lee teaches a touch panel (par. 0003), comprising:

an upper electrode plate (See Fig. 5, item 41, par.0035);

a lower electrode plate being isolated electrically with said upper electrode plate (See Fig. 5, item 31, par.0035);

a plurality of first conductive lines connected electrically to said upper electrode plate and said lower electrode plate respectively (See Fig. 6, item 33, paragraphs 0038-0041);

a terminal area, parts of said plurality of first conductive lines located on said terminal area (See Fig. 6, item 33, paragraphs 0038-0041);

a flexible printed circuit board (FPC) connected to a said terminal area said FPC comprising a folded part folded to overlap at least a portion of the remainder of the touch panel (fig. 7, items 17,42,45, par. 0042); and

a plurality of second conductive lines located on said folded part of said FPC, said plurality of second conductive lines electrically connected to said plurality of first conductive lines (fig. 7, items 17,33, par. 0043).

As to claim 8, Lee teaches a touch panel (par. 0003), comprising:

an first electrode plate (See Fig. 5, item 41, par.0035);

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a second electrode plate being isolated electrically with said first electrode plate, wherein said first electrode plate and first electrode plate define at least one edge (See Fig. 5, item 31, par.0035);

a plurality of first conductive lines connected electrically to said upper electrode plate and said lower electrode plate respectively (See Fig. 6, item 33, paragraphs 0038-0041);

a flexible printed circuit board (FPC) connected to a said edge, said FPC comprising a folded part folded to overlap at least a portion of the remainder of the touch panel (fig. 7, items 17,42,45, par. 0042); and

at least one second conductive line located on said folder part of said FPC, and connected electrically with at least one of said plurality of first conductive lines (fig. 7, items 17,33, par. 0043).

As to claim 14, Lee teaches a touch panel (par. 0003), comprising:

an upper electrode plate (See Fig. 5, item 41, par.0035);

a lower electrode plate being isolated electrically with said upper electrode plate (See Fig. 5, item 31, par.0035);

a surrounding area (See Fig. 6, items 21-22,33);

a plurality of conductive lines located on said surrounding area and connected electrically to said upper electrode plate and said lower electrode plate respectively (See Fig. 6, item 33, paragraphs 0038-0041);

flexible printed circuit board (FPC) connected to the surrounding area, said FPC comprising a folded part folded to overlap at least a

portion of the remainder of the touch panel (fig. 7, items 17,42,45, par. 0042), wherein a part of least one of the plurality conductive lines is located on said folded part (fig. 7, items 17,33, par. 0043).

As to claims 3,9,16 Lee teaches plurality of conductive lines are the silver lines (par. 0038).

As to claims 4,17 Lee teaches FPC is connected electrically to touch panel by bonding method (par. 0043-0044).

As to claims 5-6,10,13,18 Lee teaches plurality of dot spacers and adhesion layer located in between upper and lower electrode plates (par. 0035).

As to claims 7,11,19-20 Lee teaches upper electrode plate includes a first base substrate and an upper conductive layer formed beneath said first base substrate, and said lower electrode plate includes a second base substrate and a lower conductive layer formed on said second base substrate (par. 0035).

Telephone Inquire


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leonid Shapiro whose telephone number is 571-272-7683. The examiner can normally be reached on 8 a.m. to 5 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe can be reached on 571-272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LS
07.03.07



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